



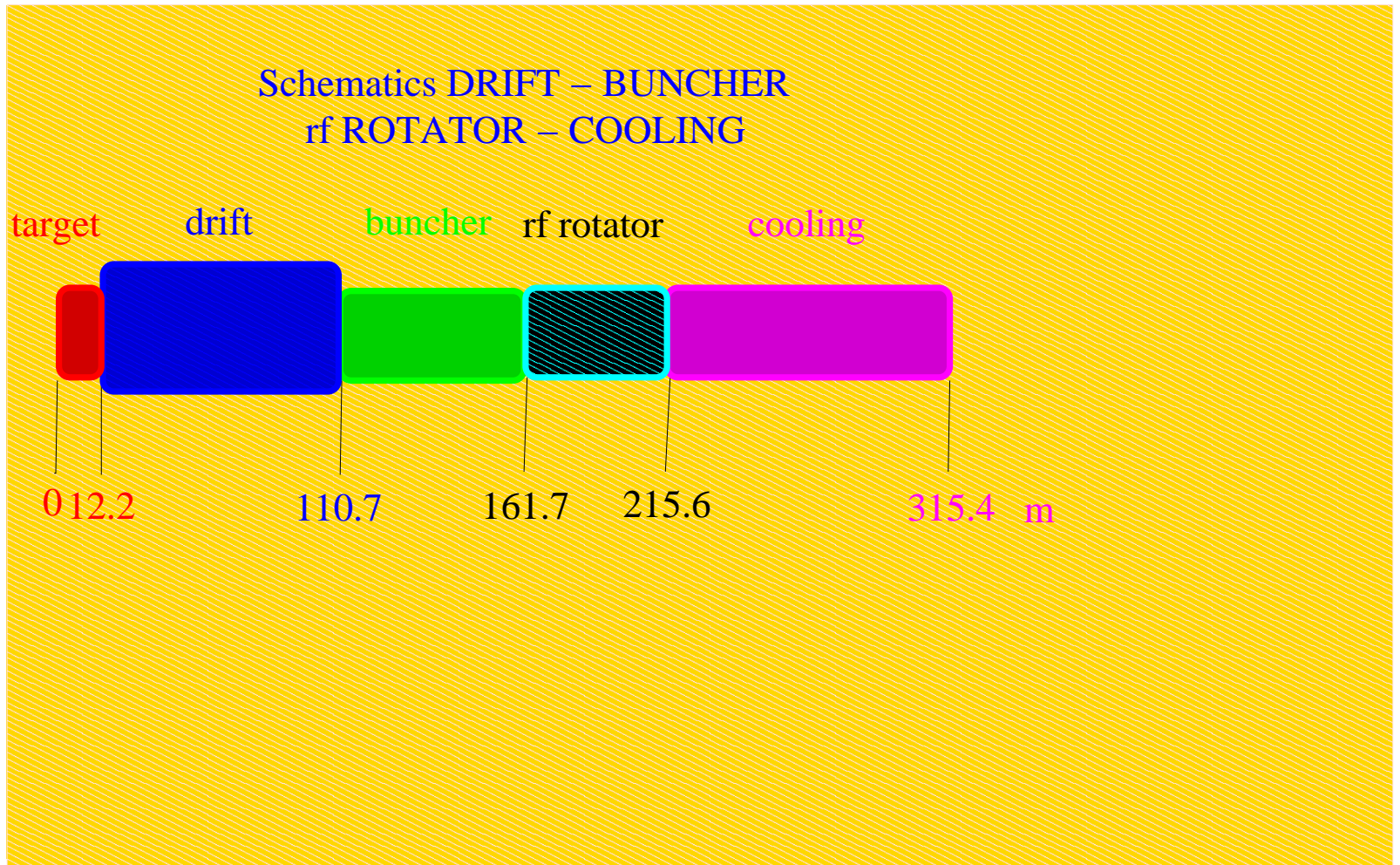
Study2-a: Front-End

*Friday Phone meeting
February 6, 2004*

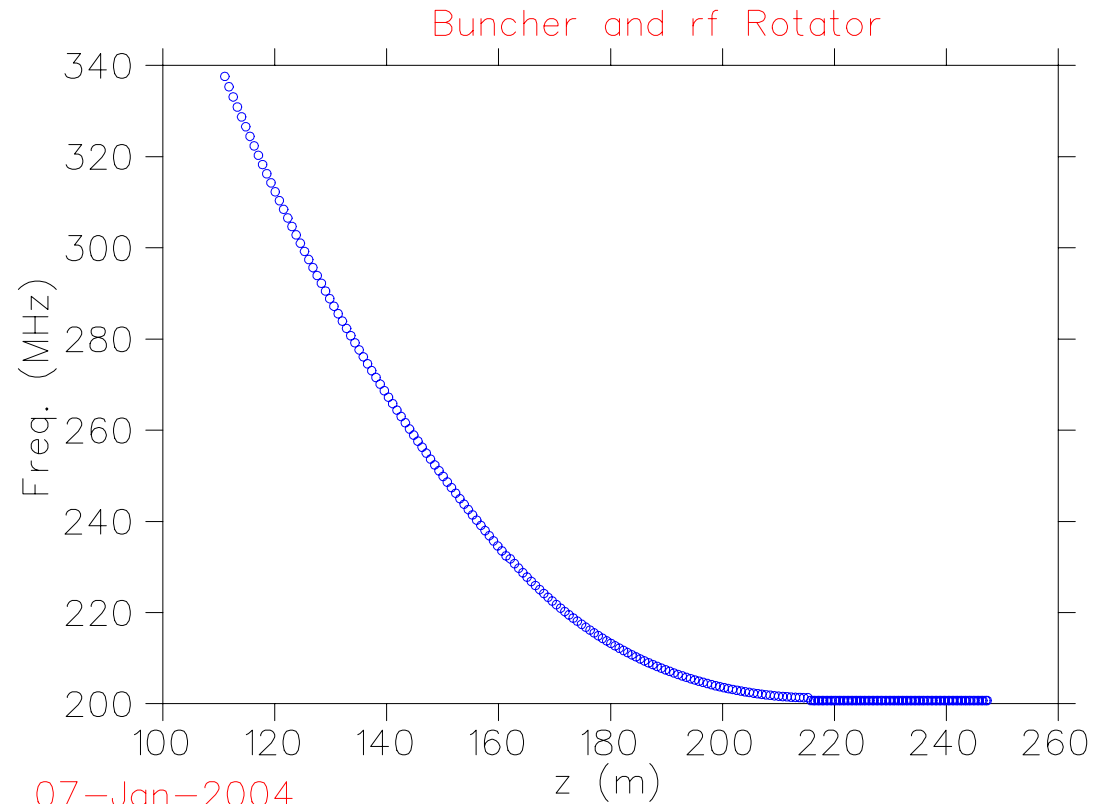
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Schematics

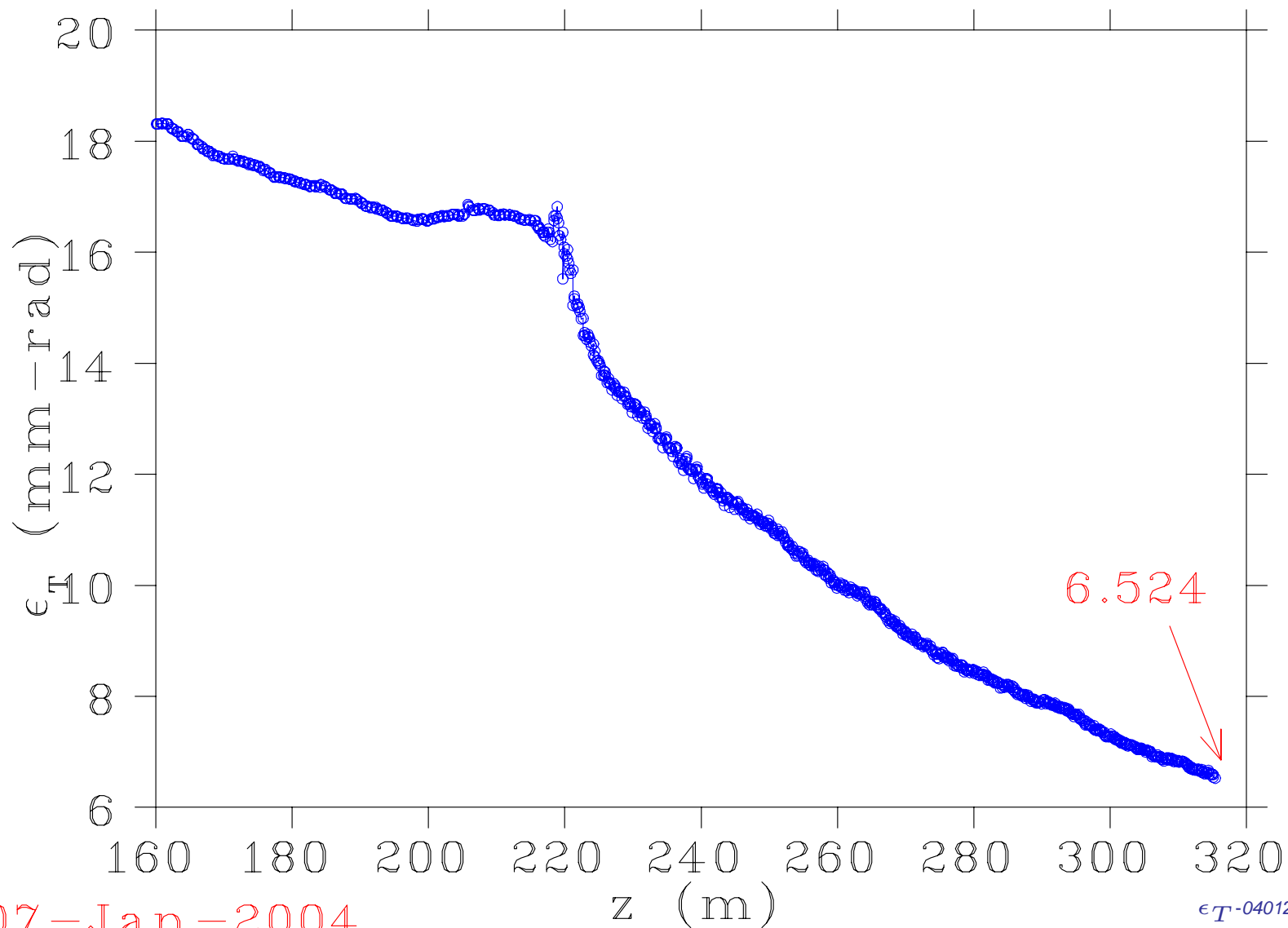


rf-Frequency

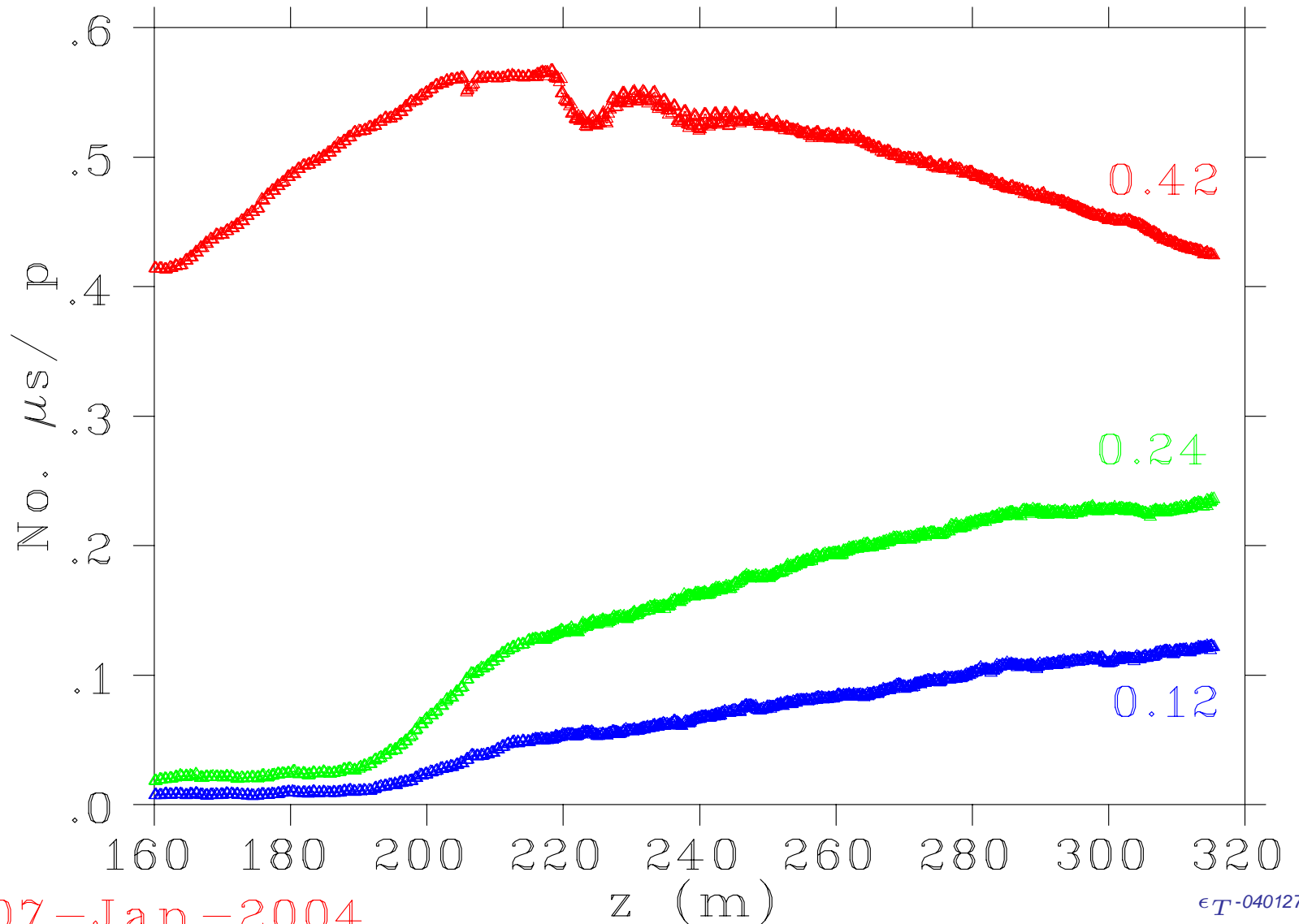


todo: finite number of frequencies

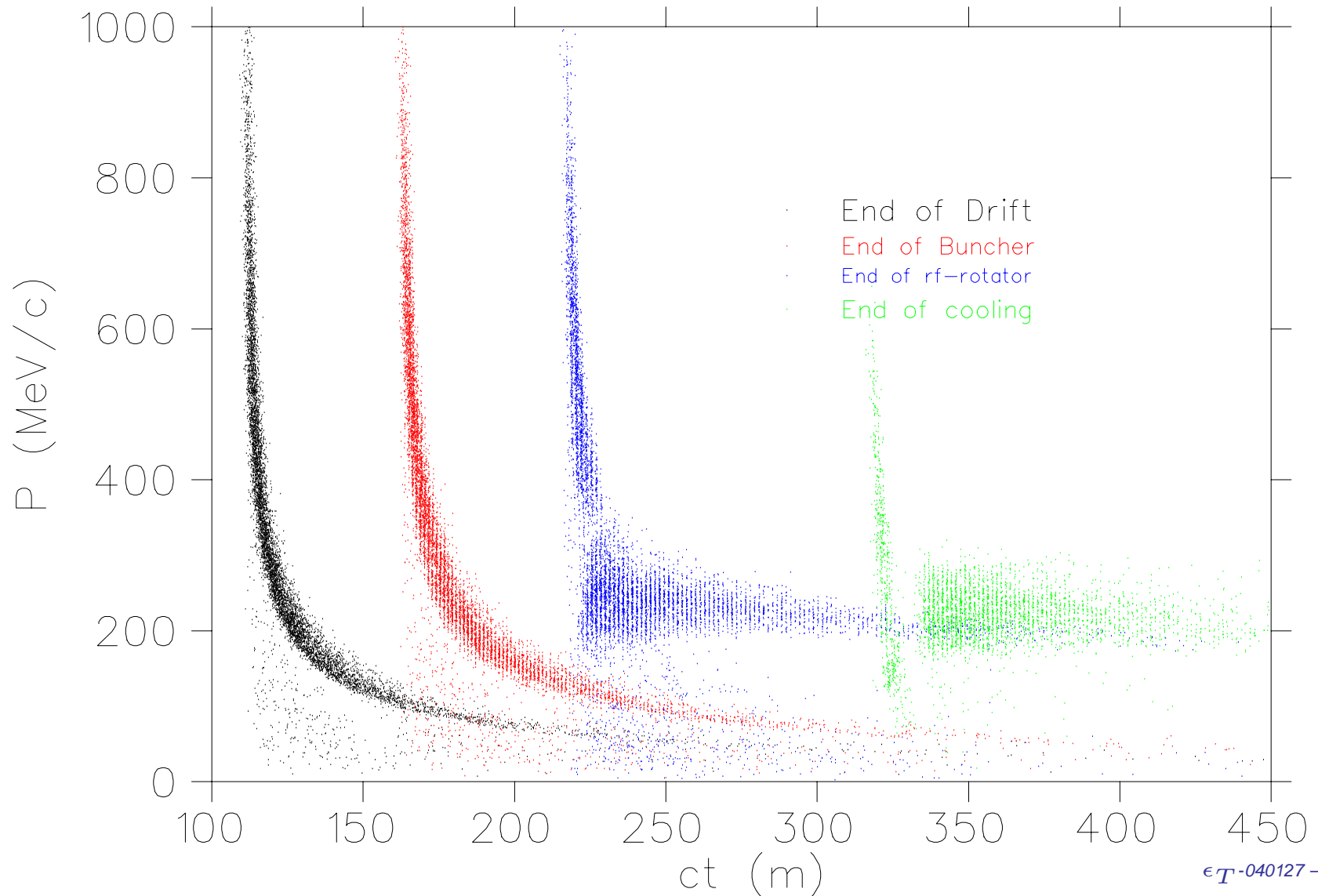
ϵ_T VS. z



Drift-Buncher- Rotator-Cooling



z-vs-p: drift; bun.; rot. ;cool.



B_z periodic in drift and buncher;

Table 1: B_z periodic in drift and buncher.

	λ	ϵ_T	ϵ_L	ϵ_6	N_0	N_1	N_2
C.	0.	6.5	62.5	2.7	0.42	0.24	0.12
drift	0.5	6.6	67.7	3.0	0.41	0.22	0.11
drift	0.75	6.5	67.6	2.9	0.36	0.19	0.10
drift	1.00	6.6	68.6	3.0	0.34	0.17	0.08
bunch	0.75	6.6	62.9	2.8	0.38	0.21	0.11
drift & buncher	0.5/0.75	6.7	65.7	3.0	0.39	0.21	0.11

N_0 total μ/p

N_1 within $\epsilon_T = 30$ mm-rad and $\epsilon_L = 150$ mm

N_2 within $\epsilon_T = 15$ mm-rad and $\epsilon_L = 150$ mm

todo: matching between different sections